

PTO/SB/08A (08-03)

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/804,452
		Filing Date	March 19, 2004
		First Named Inventor	Russell Rapport, et al.
		Art Unit	<del>284</del> 284
		Examiner Name	A.A.
Sheet 1 of 9	Attorney Docket Number	254-094-PCT2/C1/AK 153715	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A.A.		US-6,919,626 B2	7/19/2005	Burns	
		US-6,914,324 B2	7/5/2005	Rapport, et al.	
		US-6,908,792 B2	6/21/2005	Bruce, et al.	
		US-6,884,653	4/26/2005	Larson	
		US-6,803,651	10/12/2004	Chiang	
		US-6,709,893	3/23/2004	Moden, et al.	
		US-6,699,730 B2	3/2/2004	Kim, et al.	
		US-6,690,584	2/10/2004	Uzuka, et al.	
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		US-6,588,095	7/8/2003	Pan	
		US-6,576,992	6/10/2003	Cady, et al.	
		US-6,572,387 B2	6/3/2003	Burns, et al.	
		US-6,528,870 B2	3/4/2003	Fukatsu, et al.	
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A.A.		US-6,444,490	9/3/2002	Bertin, et al.	
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		US-6,329,708	12/11/2001	Komiyama	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
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Substitution for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete If Known</b> Application Number: 10/804,452 Filing Date: March 19, 2004 First Named Inventor: Russell Rapport, et al. Art Unit: 2841 Examiner Name: A.A. Attorney Docket Number: 254-094-PCT2/C1/AK 153715	
Sheet	2	of	9		

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		US-6,310,392	10/30/2001	Burns	
		US-6,288,907 B1	9/11/2001	Burns	
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		US-6,157,541	12/5/2000	Hacke	
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		US-6,084,293	7/4/2000	Ohuchi	
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		US-5,963,427	10/5/1999	Bolleson	
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		US-5,895,970	4/20/1999	Miyoshi, et al.	
		US-5,841,721	11/24/1998	Kwon, et al.	
		US-5,804,870	9/8/1998	Burns	
		US-5,801,439	9/1/1998	Fujisawa, et al.	
A.A.		US-5,789,815	8/4/1998	Tessier, et al.	

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A-A		US-5,783,464	7/21/1998	Burns	
		US-5,764,497	6/9/1998	Mizumo, et al.	
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		US-5,729,894	3/24/1998	Rostoker, et al.	
		US-5,657,537	8/19/1997	Saia, et al.	
		US-5,646,446	7/8/1997	Nicewarner, Jr. et al.	
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		US-5,523,695	6/4/1996	Lin	
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		US-5,229,916	7/20/1993	Frankeny, et al.	
		US-5,214,307	5/25/1993	Davis	
AA		US-5,198,965	3/30/1993	Curtis, et al.	

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Examiner Signature	Andarzie Mewonnen	Date Considered	07/02/2007
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

9

**Complete if Known**

Application Number	10/804,452
Filing Date	March 19, 2004
First Named Inventor	Russell Rapport, et al.
Art Unit	<del>286</del> 284
Examiner Name	<del>DA</del> A.A.
Attorney Docket Number	254-094-PCT2/C1/AK 153715

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A-A		US-5,168,926	12/8/1992	Watson, et al.	
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		US-3,983,547	9/28/1976	Almasi	
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		US-2003/0016710	1/23/2003	Kamoto	
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		US-2002/0048849	4/25/2002	Isaak	

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Examiner  
Signature

/Andargie Aychillhum/

Date  
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		Filing Date	March 19, 2004
		First Named Inventor	Russell Rapport, et al.
		Art Unit	2849 284
		Examiner Name	ABA A.A.
Sheet 5 of 9	Attorney Docket Number	254-094-PCT2/C1/AK 153715	

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A.A.		US-2002/0030995	3/14/2002	Shoji	
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		US-6,303,981	10/16/2001	Moden	
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		US-6,028,352	2/22/2000	Eide	
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A.A.		US-5,835,988	11/10/1998	Ishii	

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		US-3,411,122	11/12/1968	Schiller, et al.	
		US-2005/0040508 A1	2/24/2005	Lee	
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		US-2004/0245617 A1	12/9/2004	Damberg, et al.	
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A-A-		US-2004/0217471 (A1)	11/4/2004	Haba	

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				Art Unit	286 2841
				Examiner Name	TON A-A
				Attorney Docket Number	254-094-PCT2/C1/AK 153715
Sheet	7	of	9		

Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A-A*		US-2004/0203190 A1	10/14/2004	Pflughaupt, et al.	
		US-2004/0104470 A1	6/3/2004	Bang, et al.	
		US-2004/0031972 A1	2/19/2004	Pflughaupt, et al.	
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		US-2001/0013423 A1	2/16/2001	Dalal, et al.	
		US-Re 36,916	10/17/2000	Moshayed	
		US-6,707,684 B1	3/16/2004	Andric, et al.	
		US-6,492,718 B2	12/10/2002	Ohmori	
		US-6,392,162 B1	5/21/2002	Karabatsos	
		US-6,336,262	1/8/2002	Dalal, et al.	
		US-6,266,252 B1	7/24/2001	Karabatsos	
		US-6,234,820 B1	5/22/2001	Perino, et al.	
		US-6,233,650 B1	5/15/2001	Johnson, et al.	
		US-6,040,624	3/21/2000	Chambers, et al.	
		US-6,034,878	3/7/2000	Osaka, et al.	
		US-6,002,589	12/14/1999	Perino, et al.	
		US-5,995,370	11/30/1999	Nakamori	
		US-5,959,839	9/28/1999	Gates	
		US-5,953,215	9/14/1999	Karabatsos	
A-A*		US-5,899,705	5/4/1999	Akram	

[illegible]

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
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Substitute for form 1449/PTO		<b>Complete if known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/804,452
		Filing Date	March 19, 2004
		First Named Inventor	Russell Rapport, et al.
		Art Unit	2541
		Examiner Name	A.A.
Sheet 8 of 9	Attorney Docket Number	254-094-PCT2/C1/AK 153715	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A.A.		US-5,751,553	5/12/1998	Clayton	
		US-5,654,877	8/5/1997	Burns	
		US-5,631,193	5/20/1997	Burns	
		US-5,594,275	1/14/1997	Kwon, et al.	
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		US-5,012,323	4/30/1991	Farnworth	
		US-4,985,703	1/15/1991	Kanayama	
		US-4,821,007	4/11/1989	Fields, et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
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Signature**

/Andargie Aychillhum/

Date Considered

07/02/2007

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	1	of	3
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**Complete if Known**

Application Number	10/804,452
Filing Date	March 19, 2004
First Named Inventor	Russell Rapport, et al.
Art Unit	285 2841
Examiner Name	TBA A.A.
Attorney Docket Number	254-094-PCT2/C1/AK 153715

## U.S. PATENT DOCUMENTS

[illegible]

1988 RELEASE UNDER E.O. 14176 FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>o</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
A-A-		WO 03/037053 A1	5/1/2003	Cady, et al.		
A-A-		JP 63-153849 (A)	6/27/1998	Matsubara		
A-A-		JP 4-209562 (A)	7/30/1992	Uzuka, et al.		
A-A-		JP 404368167 (A)	12/21/1992	Omura		
A-A-		JP 2003/347503 (A)	12/5/2003	Toshiyuki, et al.		
A-A-		JP 2003/347475 (A)	12/5/2003	Mitsuru		

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/Andargie Aychillhüm/

Date  
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~~07/02/2007~~

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/804,452
				Filing Date	March 19, 2004
				First Named Inventor	Russell Rapport, et al.
				Art Unit	286 2841
				Examiner Name	A-A-
Sheet	2	of	3	Attorney Docket Number	254-094-PCT2/C1/AK 153715

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
A-A-		JP 2003/309247 (A)	10/31/2003	Mitsuru		
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A-A-		JP 5029534 (A)	2/5/1993	Nakamura		
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A-A-		EP 0426-303 (A2)	10/1/1990	Legg, et al.		

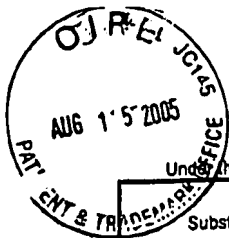
Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
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Substitute for form 1449/PTO		<b>Complete if Known</b>	
		Application Number	10/804,452
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Filing Date	March 19, 2004
		First Named Inventor	Russell Rapport, et al.
		Art Unit	2841
		Examiner Name	A.A.
		Attorney Docket Number	254-094-PCT2/C1/AK 153715
Sheet	1	of	1

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
A.A.		1992 Proceedings, 42nd Electronic Components & Technology Conference, May 18-20, 1992	
A.A.		Research Disclosure, Organic Card Device Carrier, 31318, May 1990, No. 313	
A.A.		IBM Technical Disclosure Bulletin, Vol. 23, No. 12, May 1981	
A.A.		IBM Technical Disclosure Bulletin, Vol. 20, No. 11A, Apr. 1978	
A.A.		IBM Technical Disclosure Bulletin, vol. 32, No. 3B, Aug. 1989	
A.A.		Orthogonal Chip Mount - A 3D Hybrid Wafer Scale Integration Technology, International Electron Device Meeting, IEDM Technical Digest, Washington, D.C., Dec. 6-9, 1987	

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
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0254-094-PCT-2-C1

10/804,452

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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APPLICANT

Rapport, et al

FILING DATE

GROUP

3/19/04

2841

(37 CFR 1.98(b))

**U.S. PATENT DOCUMENTS**

*Examiner Initial	Patent Number		Patentee	Class	Subclass	Filing Date (if appropriate)
A-A	5,428,190	6/27/1995	Stopperan	174/261		7/2/1993
↑	6,097,087	8/1/2000	Farnworth, Warren M. et al	257/698		10/31/1997
	6,323,060B1	11/27/2001	Isaak	438/109		5/5/1999
	6,351,029B1	2/26/2002	Isaak	257/688		5/19/2000
	6,368,896B2	4/9/2002	Farnworth, Warren M. et al	438/113		4/23/1999
	6,410,857B1	6/25/2002	Gonya	174/254		8/13/2001
	6,426,240B2	7/30/2002	Isaak	438/106		6/25/2001
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	6,444,921B1	9/3/2002	Wang, et al	174/260		2/3/2000
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**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
A-A	58-96756(A)	06/08/1983	Japan			Partial	
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A-A	EP 0 298 211 A#	01/11/1989	European			X	

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	Dense-Pac Microsystems, Breaking Space Barriers, 3-D Technology 1993
	Dense-Pac Microsystems, DPS512X16A3, Ceramic 512K X 16 CMOS SRAM Module
	"Design Techniques for Ball Grid Arrays," William R. Newberry, Xynetix Design Systems, Inc.

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DATE CONSIDERED

07/02/2007

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APPLICANT

Rapport, et al

FILING DATE

3/19/04

GROUP

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(37 CFR 1.98(b))

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↑	5,239,198	8/24/1993	Lin et al.	257/693		7/2/1992
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	6,486,544 B1	11/26/2002	Hashimoto, Nobuaki	257/686		9/3/1999
	6,560,117 B2	5/6/2003	Moon, Ow Chee	361/749		8/30/2001
↓	6,590,282 B1	7/8/2003	Wang et al.	257/686		4/12/2002
A-A	6,600,222 B1	7/29/2003	Levarado, Melvin N.	257/686		7/17/2002

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No
62-230027(A)	10/08/1987	Japan			Partial	

**OTHER DOCUMENTS**

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

A-A	/	"Chip Scale Packaging and Redistribution," Paul A. Magill, Glenn A. Rinne, J. Daniel Mis, Wayne C. Machon, Joseph W. Baggs, Unitive Electronics Inc.
A-A	/	"3D Interconnection for Ultra-Dense Multichip Modules," Christian VAL, Thomson-CSF DCS Computer Division, Thierry Lemoine, Thomson-CSF RCM Radar Countermeasures Division
	/	"High Density Memory Packaging Technology High Speed Imaging Applications," Dean Frew, Texas Instruments Incorporated
	/	Teresa Technologies, Inc. - Semiconductor Intellectual Property, Chip Scale Packaging - Website pages (3)

EXAMINER

/Andargie Aychillihum/

DATE CONSIDERED

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SERIAL NO.

0254-094-PCT-2-C1

10/804,452

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT

Rapport, et al

FILING DATE

3/19/04

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2841

**U.S. PATENT DOCUMENTS**

*Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if appropriate)
A-A	6,473,308B2	10/29/2002	Forthun	361/749		04/19/2001
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	5,953,215	09/14/1999	Karabatsos	361/767		06/26/1998
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**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

**OTHER DOCUMENTS**

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

A-A	/Tessera Introduces uZ™ - Ball Stacked Memory Package for Computing and Portable Electronic Products" Joyce Smaragdis, Tessera Public Relations; 2 figures that purport to be directed to the uZ™ - Ball Stacked Memory Package.
A-A	'Ron Bauer, Intel. "Stacked-CSP Delivers Flexibility, Reliability, and Space-Saving Capabilities", Spring 2002.
A-A	Tessera uZ Ball Stack Package. 4 figures that purport to be directed to the uZ - Ball Stacked Memory, 1 Page.
A-A	"Vertically-Integrated Package," Alvin Weinberg, Pacesetter, Inc. and W. Kinzy Jones, Florida International University

EXAMINER

/Andargie Aychillhum/

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Modified)  
(Rev. 11/92)U.S. Dept. of Commerce  
Patent and Trademark Office**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.

SERIAL NO.

0254-094-PCT-2-C1

10/804,452

APPLICANT

Rapport, et al

FILING DATE

3/19/04

GROUP

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↑	US2002/0139577A1	10/3/2002	Miller, Charles A.	174/261		3/27/2001
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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

**OTHER DOCUMENTS**

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

A.A.	5	Dense-Pac Microsystems, 256 Megabyte CMOS DRAM DP3ED32MS72RW5
A.A.	✓	IBM Preliminary 168 Pin SDRAM Registered DIMM Functional Description & Timing Diagrams

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					Yes	No

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**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

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ATTY. DOCKET NO.

SERIAL NO.

254-094-PCT-2-C1

10/804,452

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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APPLICANT

Russell Rapport, et al.

FILING DATE

March 19, 2004

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(37 CFR 1.98(b))

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A.A.	US 5,448,511	09/05/1995	Paurus, et al.	365	52	06/01/1994
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A.A.	US 5,917,709	06/29/1999	Johnson, et al.	361	803	06/12/1997
A.A.	US 6,121,676	09/19/2000	Solberg	257	686	12/11/1997
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						Yes	No
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SERIAL NO.

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**APPLICANT**

**Russell Rapport, et al.**

FILING DATE

**March 19, 2004**

GROUP

~~SECRET~~ 2841

(37 CFR 1.98(b))

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**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT NOTIFICATION							Translation	
	Document Number	Date	Country	Class	Subclass	Yes	No	

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21260-021001	Application No. 10/804,452
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Rapport, et al.	
		Filing Date March 19, 2004	Group Art Unit 2841
(37 CFR §1.98(b))			

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Examiner Initial	Desig. ID	Document Number	Document Date	Patentee		Subclass	File Nos.
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Examiner Signature /Andargie Aychillhum/	Date Considered 07/02/2007
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21260-021001	Application No. 10/804,452
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Rapport, et al.	
		Filing Date March 19, 2004	Group Art Unit 2841
[37 CFR §1.98(b)]			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Document Date	Patentee		Subclass	File Nos.
A.A. ↑  <							

Examiner Signature /Andargie Aychillhum/	Date Considered 07/02/2007
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21260-021001	Application No. 10/804,452
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Rapport, et al.	
		Filing Date March 19, 2004	Group Art Unit 2841
(37 CFR §1.98(b))			

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↑		6,549,413	04/15/2003	Karnozos et al			
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↓ A-A.		6,965,166	11/15/2005	Hikita et al.			

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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Rapport, et al.	
		Filing Date March 19, 2004	Group Art Unit 2841

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